Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: CBSM-10028797

Name: Duck Creek at CTH H

Type: Citizen Based Stream Monitoring

Subtype: Volunteer Monitoring

Status: ACTIVE

Start Date: 5/14/2008

End Date: 12/31/2099

Purpose: The Water Action Volunteers Program (WAV) involves citizen monitors in the collection of stream water quality data that may be used by the Wisconsin Department of Natural Resources (DNR) and their partner organizations. Program goals include building relationships between DNR staff and citizen monitors while assessing streams in need of additional monitoring, restoration, and/or protection. Ultimately, volunteer participation increases capabilities of the DNR and communities to monitor streams, providing water quality information that may be used to make decisions that affect the management of streams throughout Wisconsin.

Objective: The main goal of the WAV program is to preserve and protect Wisconsin's streams and the lakes to which they are connected. Objectives of the program are to educate and empower citizens to share their data, to obtain high quality data useful for DNR decision-making, and to encourage data and knowledge sharing. The process of data collection by Wisconsin residents enhances their understanding of water quality parameters, and in many cases, interests them in assisting with more sophisticated projects, including the collection of additional biological, chemical, and physical site data. Ultimately, a goal is that DNR staff trust volunteer data results, and therefore utilize WAV data to assist in making management decisions.

Comments:

Outcome:

Study Design: Volunteer stream monitors assess water quality parameters identified in the DNR's Water Resources Monitoring Strategy for Wisconsin. Volunteers may identify their own sampling locations. In some instances, WAV Coordinators, DNR, or county staff may recommend sites based on the need to acquire status or trends information, or other types of monitoring that are priorities. In general, volunteers are asked to monitor from May through October. Advanced volunteers choose primary (P) and secondary (S) sampling dates in advance and note on their data sheets which of those dates they monitored. Volunteers are asked to sample on the primary date unless there are safety concerns about being at the stream site (e.g., tornado, lightning, dangerously high flows) or a personal or family emergency. The goal is to monitor at the same time each month, about 30 days after the last monitoring visit. Volunteers are instructed to enter data into the Surface Water Integrated Monitoring System (SWIMS) database by the end of each month and to immediately report extreme conditions that may be hazardous to aquatic life to their local DNR or County biologist. Parameters measured monthly include: dissolved oxygen (concentration), dissolved oxygen (saturation), streamflow, transparency, temperature (instantaneous and/or continuous measurements), and sometimes pH. In addition, macroinvertebrates (Biotic Index) are assessed twice per year and habitat conditions are assessed once per year. Some volunteers monitor specific conductance, chloride, total phosphorus, E. coli, or other parameters.

QA Measures: For advanced volunteers, a WAV staff person, local coordinator or authorized representative visits with 10% of volunteers annually to conduct side-by-side monitoring. The goal of field QA checks is to check that volunteers are properly calibrating their meters (if used) and following the sampling methods correctly. Staff members conducting QA checks also ensure that equipment is functioning properly and answer any volunteer questions or concerns. A Data Manager runs regular (monthly whenever possible) database queries throughout the field season to evaluate the quality of data entered into the database and follow-up with volunteers to address anomalies that are identified.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Brownell, Amanda	DATA_ENTRY	INACTIVE	4/14/2009	12/8/2014	Adams County	
Euclide, Bill	TEAM_MEMBER	ACTIVE	6/11/2010		Adams County	
Evans, Reesa	TEAM_MEMBER	ACTIVE	5/18/2012		Adams County LWCD	
Harrison, Michelle	COORDINATOR	ACTIVE	6/18/2012		Adams County	

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Johnson, Pat	DATA_ENTRY	INACTIVE	6/1/2012		Adams County Conservation Clerk	
Morley, Kason	TEAM_MEMBER	INACTIVE	4/14/2009	2/14/2018	Adams County	
Murphy, Chris	PROJECT_LEAD	INACTIVE	5/14/2008	8/26/2013	Adams County	
Pufall, Ron	COORDINATOR	INACTIVE	11/3/2011	1/1/2012	Adams County	
Rogers, Hannah	COORDINATOR	ACTIVE	2/20/2017		Adams County	
Skala, David	PROJECT_LEAD	ACTIVE	6/11/2010		Adams County	
Skala, Robin	TEAM_MEMBER	INACTIVE	6/11/2010	3/3/2015	Adams County	
Thorne, Mike	TEAM_MEMBER	ACTIVE	6/11/2010		Adams County	

Project Statuses

Date	Reported By	Status	Comments

Actions

Action	Detailed Description	Start Date	End Date	Status
Citizen-Based Stream Monitoring	Collect chemical, physical, and/or biological water quality data to assess the current overall stream health. The data can inform management decisions and may be used to identify impaired waters for biennial lists.	1/1/2012		IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10028797	Duck Creek At Cth H	
10030217	Peppermill Creek at 1st Ln	

Assessment Units

WBIC	Segment	Local Name	Official Name
178400	1	Peppermill Creek	Peppermill Creek
1344400	1	Duck Creek	Duck Creek

Lab Account Codes

Account Code	Description	Start Date	End Date

Forms

Form Code	Form Name
WAV_2015	WAV Stream Monitoring 2015

Methods

Method Code	Method Description
CBSM_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009

Fieldwork Events

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Start Date	Status	Field ID	Station ID	Station Name
5/23/2008	COMPLETE	TIDBIT V2	10028797	Duck Creek At Cth H
6/23/2008 12:30	COMPLETE		10028797	Duck Creek At Cth H
7/25/2008 14:00	COMPLETE		10028797	Duck Creek At Cth H
8/21/2008 12:15	COMPLETE		10028797	Duck Creek At Cth H
5/17/2011 16:00	COMPLETE		10030217	Peppermill Creek at 1st Ln
6/28/2011 11:40	COMPLETE		10028797	Duck Creek At Cth H
7/30/2011 13:30	COMPLETE		10028797	Duck Creek At Cth H
8/28/2011 13:30	COMPLETE		10028797	Duck Creek At Cth H
10/4/2012 15:00	COMPLETE		10028797	Duck Creek At Cth H

Documents

Title	Description	Author	Published	Comments

Budget

Combined Budgets:

Combined WSLH:

Combined Total: $0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date